

Application No. 10/673,504
Amendment dated September 7, 2006
Reply to Office Action of June 7, 2006

Docket No.: 0941-1683PUS1

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REMARKS

Claims 1 and 3-5 are now present in this application.

The specification and claim 1 have been amended, and claim 2 has been cancelled without prejudice or disclaimer. Reconsideration of the application, as amended, is respectfully requested.

Power of Attorney

Attached hereto are a Revocation of Power of Attorney with New Power of Attorney and Change of Correspondence Address, as well as a Statement under 37 CFR 3.73(b). It is respectfully requested that the U.S. Patent and Trademark Office update their records to reflect the new attorney and correspondence address of record.

Rejection under 35 USC 102

Claims 1, 2, 4 and 5 stand rejected under 35 USC 102(b) as being anticipated by Leroux, U.S. Patent 5,512,915. This rejection is respectfully traversed.

First, it is noted that the limitations of claim 2 have been incorporated into independent claim 1. As will be set forth below, Leroux fails to teach or suggest the scan lines in the joining portions of the plurality of upper-lower adjacent division panels being opened at the same time, and wherein the open timing of the scan lines in the joining portions of the plurality of upper-lower adjacent division panels being the same.

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"A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). *Leroux* does not disclose all limitations in the newly-amended claim 1, and the rejection should be withdrawn.

Independent claim 1 recites (emphasis added):

1. A gate drive device for a display, the open sequences for a plurality of scan lines in a panel being changed so that open sequences of the plurality of scan lines between the two adjacent gate drivers being the same, the drive device comprising:

a display panel being divided into a plurality of division panels;

a plurality of gate drivers being the gate drivers of the plurality of division panels;

a plurality of control circuits for connecting the data drivers and the gate drivers of the plurality of division panels; and

a timing control register connected to the plurality of control circuits by a plurality of control lines;

wherein the timing control register is used for controlling the open timings of the scan lines of the plurality of division panels, the scan lines in the joining portions of the plurality of upper-lower adjacent division panels are opened at the same time, and wherein the open timings of the scan lines in the joining portions of the plurality of upper-lower adjacent division panels are the same."

The Examiner alleges that the open timings of the scan lines in the joining portions of the plurality of upper-lower adjacent division panels are the same. However, as set forth in column 6, lines 41-47, *Leroux* recites "during a first half of the duration of a frame, to simultaneously select an uneven row of the first part 10 and an even row of the second part 12. During the second half of the duration of a frame, they permit the simultaneous selection of an even row of the first part 10 and an uneven row of the second part 12."

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Also, column 5, lines 48-52 of Leroux recite, "For example, the row numbered 1 is selected simultaneously with the row numbered $N+2$ and so on up to the final uneven row numbered $N-1$ of the first part 10 selected simultaneously with the row numbered $2N$ of the second part 12."

Column 5, lines 60-64 of Leroux recite, "For example, the row numbered 2 is selected simultaneously with the row numbered $N+1$ and so on up to the final uneven row numbered N and selected simultaneously with the row numbered $2N-1$ of the second part 12."

Obviously, Leroux does not disclose that the scan lines in the joining portions of the plurality of upper-lower adjacent division panels are opened at the same time and that the open timings of the scan lines in the joining portions of the plurality of upper-lower adjacent division panels are the same. In particular, Leroux does not disclose that the row numbered N and $N+1$ are selected at the same time and that the open timings of the row numbered N and $N+1$ are the same. Therefore, Leroux fails to teach or suggest the device of independent claim 1 and its dependent claims. Reconsideration and withdrawal of the 35 USC 102(b) rejection are respectfully requested.

Rejection Under 35 USC 103

Claim 3 stands rejected under 35 USC 103 as being unpatentable over Leroux in view of Mano et al., U.S. Patent 4,985,698. This rejection is respectfully traversed.

To establish prima facie obviousness of a claimed invention, all the claim limitations must be taught or suggested by the prior art. In re Royka, 490 F.2d 981, 180 USPQ 580 (CCPA 1974).

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As discussed above in connection with independent claim 1, Leroux fails to teach or suggest that the scan lines in the joining portions of the plurality of upper-lower adjacent division panels are opened at the same time and the open timings of the scan lines in the joining portions of the plurality of upper-lower adjacent division panels are the same. The secondary reference to Mano fails to overcome this deficiency.

Accordingly, it is respectfully submitted that the prior art utilized by the Examiner, either alone or in combination, fails to teach or suggest the device of independent claim 1 and its dependent claims. Reconsideration and withdrawal of the 35 USC 103 rejection are respectfully requested.

Conclusion

Favorable reconsideration and an early Notice of Allowance are earnestly solicited.

Because the additional prior art cited by the Examiner has been included merely to show the state of the prior art and has not been utilized to reject the claims, no further comments concerning these documents are considered necessary at this time.

In the event that any outstanding matters remain in this application, the Examiner is invited to contact the undersigned at (703) 205-8000 in the Washington, D.C. area.

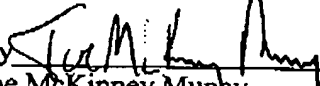
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If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Dated: September 7, 2006

Respectfully submitted,

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